

## GLITE WORKLOAD MANAGEMENT SYSTEM

### 1. RELEASE DESCRIPTION

This release contains the gLite Workload Management System module v. 2.1.4. The following sections provide additional information about the release content, the module dependencies, the known bugs and issues and a list of bugs closed since the previous release. For information about installing and using the gLite Workload Management System, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

#### 2.1. CHANGES IN FUNCTIONALITY

- The WMPProxy server has been introduced. This server allows connecting to WMS as a web service from the WMPProxy client or any other suitable client and allows additional operations such as bulk job submission. The Apache httpd and mod\_ssl RPMs are required to run this service. They have to be preinstalled before the glite-wms-config RPM
- The LBProxy service has been introduced. This service requires mysql to be installed on the WMS node. The database must be password-protected or the configuration script exits with an error message. The database root password must be set by the administrator before running the configuration script and it is not set automatically by the script itself. Please note that this is different from the standard behaviour in gLite services up to version 1.3. This has been done to separate gLite services administration from mysql administration.
- The R-GMA Purchaser has been added to extract CE information from R-GMA

#### 2.2. CHANGES IN CONFIGURATION

The following new parameters have been added to the glite-wms.cfg.xml file:

Parameter name	Default value	Description
lb.server	<changeme>	Host name and port of the Logging and Bookkeeping Server to be used by the Workload Manager Proxy. The port is normally 9000. If LB is installed on this node together with WMS, you can leave this parameter empty or comment it out. Example: lxb0001.cern.ch:9000
mysql.root.password	<changeme>	The mysql root password
enable.purchasing.from.rgma	true	Enable the R-GMA purchaser. If this parameter is set to false the other parameters are ignored. Example: true
rgma.query.timeout	30	Time out value in seconds of a purchase request. Example: 30
rgma.consumer.ttl	300	Time to live in seconds of the R-GMA consumer. Example: 300
rgma.consumer.life.cycle	30	Life cycle in seconds of the R-GMA consumer. Example: 30

ism.rgma.purchasing.rate	120	ISM purchasing rate in seconds. Example: 120
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The following parameters have been changed in the glite-security-utils.cfg.xml file:

Parameter name	Old value	New value	Description
condor.releasedir	/opt/condor-6.7.9	/opt/condor-6.7.10	Condor installation directory

In addition a new R-GMA Servicetool instance for the WMPProxy service has been added.

The following new parameters have been removed from the glite-wms.cfg.xml file:

Parameter name	Comment
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## 3. RELEASE CONTENTS

### 3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite WMS module requires the following sub-modules:

- gLite Security Utilities
- gLite R-GMA Servicetool
- gLite R-GMA Client

The sub-modules are automatically installed with the WMS module. For more information about these sub-modules please refer to the specific release notes and installation instructions.

### 3.2. GLITE RPMS

The gLite Workload Management System v. 2.1.4 is composed of the following gLite components:

Component name	Description	Version	File
glite-ce-monitor-client-api-c	Gsoap api for CE monitor client	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.4.0-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.4.0-0.i386.rpm</a>
glite-ce-wsdl	CE wsdl	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-wsdl-1.4.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-wsdl-1.4.0-1.noarch.rpm</a>
glite-config	gLite configuration scripts	1.4.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm</a>
glite-lb-client	L&B client API and tools	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm</a>
glite-lb-client-interface	L&B client library header files	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm</a>
glite-lb-common	L&B common subroutines library	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm</a>
glite-lb-logger	L&B local logger	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-logger-1.1.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-logger-1.1.2-1.i386.rpm</a>



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glite-lb-proxy	L&B Proxy server	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-proxy-1.1.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-proxy-1.1.1-0.i386.rpm</a>
glite-lb-server-bones	L&B server bones	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-server-bones-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-server-bones-2.0.0-1.i386.rpm</a>
glite-rgma-api-java	Java API for R-GMA	4.1.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm</a>
glite-rgma-base	R-GMA basic configuration and documentation	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm</a>
glite-rgma-common-config	gLite rgma common configuration items installation	5.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm</a>
glite-rgma-servicetool	R-GMA service tool	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm</a>
glite-rgma-servicetool-config	gLite R-GMA servicetool installation	5.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm</a>
glite-rgma-stubs-servlet-java	Java client implementation stubs for R-GMA	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm</a>
glite-security-gsoap-plugin	gSOAP plugin and gss libraries	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm</a>
glite-security-lcmaps	Local Credential MAPPING Service (LCMAPS)	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-interface	Public interface to LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-interface-without-gsi	Public interface to LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-without-gsi-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-without-gsi-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-plugins-basic	The basic plugins for LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-plugins-voms	The VOMS plugins for LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-without-gsi	Local Credential MAPPING Service (LCMAPS)	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-without-gsi-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-without-gsi-1.2.8-1.i386.rpm</a>
glite-security-proxyrenewal	Proxy renewal daemon	1.0.14	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.14-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.14-1.i386.rpm</a>
glite-security-trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.7.3	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm</a>
glite-security-util-java	The java utilities library for security	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm</a>



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glite-security-utils-config	gLite Security Utilities configuration files	1.0.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.4-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.4-1.noarch.rpm</a>
glite-security-voms-api-c		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.5-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.5-0.i386.rpm</a>
glite-wms-broker	"files for gLite wms broker"	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-broker-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-broker-1.1.1-1.i386.rpm</a>
glite-wms-brokerinfo	"files for gLite wms brokerinfo"	1.2.7	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.2.7-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.2.7-1.i386.rpm</a>
glite-wms-brokerinfo-access	"files for gLite wms brokerinfo-access"	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.1.1-1.i386.rpm</a>
glite-wms-checkpointing	WMS checkpointing module	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.0.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.0.0-2.i386.rpm</a>
glite-wms-classad_plugin		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm</a>
glite-wms-common	"files for gLite wms common"	1.1.9	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-common-1.1.9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-common-1.1.9-1.i386.rpm</a>
glite-wms-config	gLite Workload Management System node configuration files	2.1.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wms-config-2.1.4-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wms-config-2.1.4-1.noarch.rpm</a>
glite-wms-configuration	"files for gLite wms configuration"	1.0.7	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.7-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.7-1.i386.rpm</a>
glite-wms-helper		1.0.11	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.11-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.11-1.i386.rpm</a>
glite-wms-interactive		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-interactive-1.0.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-interactive-1.0.0-2.i386.rpm</a>
glite-wms-ism	"files for gLite wms ism"	1.4.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-ism-1.4.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-ism-1.4.1-1.i386.rpm</a>
glite-wms-jdl		1.1.6	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-jdl-1.1.6-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-jdl-1.1.6-2.i386.rpm</a>
glite-wms-jobsubmission	WMS job submission module	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.1.1-1.i386.rpm</a>
glite-wms-manager	WMS manager service	1.2.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-1.2.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-1.2.4-1.i386.rpm</a>
glite-wms-manager-ns-commands		1.0.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.5-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.5-1.i386.rpm</a>
glite-wms-manager-ns-common		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm</a>
glite-wms-manager-ns-daemon		1.0.6	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.6-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.6-2.i386.rpm</a>
glite-wms-matchmaking		1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.1.1-1.i386.rpm</a>
glite-wms-partitioner		1.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-partitioner-1.1.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-partitioner-1.1.0-1.i386.rpm</a>
glite-wms-purger		1.0.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.5-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.5-2.i386.rpm</a>
glite-wms-rls		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm</a>
glite-wms-thirdparty-bypass	"files for gLite	2.5.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-thirdparty-bypass-2.5.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-thirdparty-bypass-2.5.4-1.i386.rpm</a>

	wms thirdparty- bypass"		<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-thirdparty-bypass-2.5.4-10.i386.rpm">MS/glite-wms-thirdparty-bypass-2.5.4-10.i386.rpm</a>
glite-wms-thirdparty- globus_gridftp_server	"files for gLite wms thirdparty- globus_gridftp _server"	1.5.3	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.3-1.i386.rpm</a>
glite-wms-utils-exception		1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm</a>
glite-wms-utils-jobid		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm</a>
glite-wms-utils-tls		1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm</a>
glite-wms-wmproxy		1.1.3	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-wmproxy-1.1.3-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-wmproxy-1.1.3-2.i386.rpm</a>
glite-wms-wmproxy-interface	WMProxy wsdl	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wms-wmproxy-interface-1.0.0-0.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wms-wmproxy-interface-1.0.0-0.noarch.rpm</a>
gridsite	GridSite Apache modules	1.1.10	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-1.1.10-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-1.1.10-1.noarch.rpm</a>
gridsite-debuginfo	Debug information for package gridsite	1.1.10	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-debuginfo-1.1.10-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-debuginfo-1.1.10-1.i386.rpm</a>
gridsite-gsexec	gsexec binary for the Apache HTTP server	1.1.10	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-gsexec-1.1.10-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/gridsite-gsexec-1.1.10-1.i386.rpm</a>

## 4. DEPENDENCIES

The gLite Workload Management System module v. 2.1.4 has the following dependencies:

Component name	Version	RPM file name
gLite C/C++ Essentials	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm</a>
Ares	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm</a>
Condor	6.7.10	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.10-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.10-1.i386.rpm</a>
EDG Replica Manager Client Suite	2.3.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm</a>
GPT	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm</a>
Java SDK/JRE	1.4.2	<a href="http://java.sun.com/j2se/1.4.2/download.html">http://java.sun.com/j2se/1.4.2/download.html</a>
myproxy	1.14	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm</a>
MySQL-client	4.1.11	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.1.11-0.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.1.11-0.i386.rpm</a>
perl-Expect.pm	1.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm</a>
VDT Globus Essentials	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm</a>
VDT Globus Information Service Essentials	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_info_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_info_essentials-VDT1.2.2rh9-1.i386.rpm</a>
VDT Globus SDK	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_s">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_s</a>

		<a href="#">dk-VDT1.2.2rh9-1.i386.rpm</a>
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## 5. KNOWN BUGS AND ISSUES

This release has the following known bugs and issues. Bug numbers refer to the gLite Bug Tracking system database hosted on the CERN Savannah system at <https://savannah.cern.ch/bugs/?group=jra1mdw>.

- Jobs submitted with RetryCount set to 0 are resubmitted multiple times without visible reason. Currently being investigated.
- Currently jobs get a full proxy rather than a restricted one as done in LCG. This is needed for multi-hop submission (as e.g. to condor pools but also eventually for CE – CE submission)
- The current release doesn't support shallow resubmission. This will be added in future releases
- The default service name for locating StorageIndex services in the information service (BD-II) during matchmaking is wrong. It is set to SIndex instead of org.glite.SEIndex. The value can be overridden by setting the property

SiServiceName = org.glite.SEIndex;

in the WorkloadManager section of the glite\_wms.conf file

- No removal procedure is provided with this release apart from the removal of the RPMS. Any account, group or other resource created during the module configuration must be manually cleaned.

Known open bugs:

Bug number	Description	
#4588	all but two wms rpms have 0.0.0.0 version numbers and no summary	
#5278	lack of logging information for the workload_manager daemon	
#6322	Unable to build org.glite.wms.ism due to wrong gsoap.m4	
#7231	DAG submission is stricter with JDL syntax	
#7312	ERROR when submitting jobs	
#7512	Glite Python modules can be overload by user	
#7977	retry count not correctly supported for a DAG node	
#8327	Final job status error when job fails	
#8536	jobs remain in a ready state for ever, until the proxy expires and they abort	
#8540	job submission error "Got a job held event, reason: "	
#8600	glite-job-submi Error: UI_NO_NS_CONTACT	
#8759	Jobs submitted with RetryCount set to 0 are resubmitted multiple times without visible reason	
#8786	Support for shallow resubmission	
#8998	Job gets Aborted by WMS many times without obvious reason	

#9127	WMS could not exit from strange status	
#9194	Missing information from logs	
#9391	Aborted jobs stay a long time in the CE queues	
#9609	Jobs should be rejected if proxy renewal can't succeed	
#9900	InputSandbox Parameter not inherited by nodes in a DAG	
#10047	Job submission failed with Java UI API	
#10058	After upgrading the WMS from 1.2 to 1.3 an error occurs when starting up the service	
#10730	Error on glite-job-submit	
#10800	WMS UI error reporting needs to be improved	
#10803	WMS C++ API crashes when using getStatus() method	
#10896	DAG subjobs are all matched to the same resource	
#10917	CurrentStep attribute has no effect for checkpointable jobs	
#10954	glite-dgas-common postinstall problems	
#11093	WMS Matchmaker uses wrong default for StorageIndex service type	

Fixed in this release, but not yet tested:

Bug number	Description	
#6682	Problems with input data based matchmaking	
#7097	Wrong status (or error message) if file does not exist in StorageIndex	
#7171	WMS startup fails with "Configuration problem: cannot parse configuration"	
#7203	We cannot run interactive jobs	
#7227	Matching fails if the StorageIndex string is embedded in curly braces	
#7490	GLITE_LOCATION on the Prototype	
#8003	WMS hanging on prototype	
#8499	WMS UI links different flavors of the same Globus libs	
#8500	Long DAGs fail with Cannot Parse ClassAd error on WMS	
#8628	WMS: Configuration script fails (only the first run) after changing the glite.user.name	
#8637	the system doesn't tell you where you find the output of a DAG job	
#8640	WMS: running process mixed-up after change in upgrade of 'glite.user.name'	
#8899	Step Weight is ignored by the NS ( unknown)	
#9030	api-cpp subission&status cascade crashes	
#9031	secure connection to data catalog during list match	
#9040	org.glite.wms.client: Segmentation fault in case of unrecognized option	
#9087	memory error in VOMSAuthZ instance creation	
#9136	glite-wms-job-cancel : the same question twice	
#9137	glite-wms-job-output/cancel: wrong check of the jobid syntax	
#9139	glite-wms-job-list-match: error message for jobs that are not supported	

#9140	glite-wms-job-cancel: - - input option	
#9522	WMPProxy purge operation doesn't properly log PURGED event for DAG nodes	
#9541	jdl4java: special attributes removed from the jdl	
#9634	JDL for collections:node descriptions are not loaded from files	
#9753	No glite-wms-job-status available	
#9757	Timeout setting ignored for DLI connections.	
#9759	org.glite.wms.client(glite-wms-job-output): purge for DAG-children	
#9760	org.glite.wms.client(glite-wms-job-output):out-file retrieving for a DAG with exit code != 0	
#9762	org.glite.wms.client(glite-wms-job-submit):no possibility to ask for file transferring with --register-only	
#9768	WMPProxy fails in catching standard exceptions	
#9805	Wrong error messages during the uploading of output files when wmpoxy is used	
#9822	Submitting an empty DAG is not treated as an error	
#9823	-r option is ignored when submitting collections or parameterized jobs	
#9957	Rank and Requirements are not defaulted in the {pre post}jobs in a partitionable job	
#9960	glite-job-submit segfaults if JobType is not set as checkpointable in a postjob	
#9973	WMproxy UI configuration ignores VO	
#9974	SandboxStagingPath for NS and WMSproxy set to different values	
#9985	Uncaught exception in WMPProxy for short cert subj	
#9996	the purger logs wrong reason and seq code to LB	
#10160	[WMS configuration] wms.cemon.endpoints proposed value	
#10847	WMSproxy doesn't manage to submit : VERR_SIGN vomms sign verify error	

## 6. BUGS CLOSED SINCE LAST RELEASE

This release fixes the following bugs and issues. Bug numbers refer to the gLite Bug Tracking system database hosted on the CERN Savannah system at <https://savannah.cern.ch/bugs/?group=jra1mdw>

Bug number	Description	
#5869	A bug that is very easy to fix	
#5977	Job seem not run on testbed and remain in state Waiting	
#6081	Crash command script edg-job-submit?	
#6362	Cannot submit jobs to WMS	
#6417	faulty message when stopping the CondorG on the WMS	
#6578	Sometimes jobs are aborted without obvious reason (for me)	
#6655	WMS stuck since Saturday ?	
#6700	Jobs were hanged too long	
#6768	Job failure rate raising sharply since today about 11:00	
#6778	Crash on invalid JDL	



#7140	glite-job-list-match gets stuck	
#7244	Jobs stuck in WAITING	
#7461	The default VO is not read by glite-job-submit, glite-job-list-match	
#7493	0 success rate while running example of physics analysis application	
#8005	voms authentication error	
#8852	glite-job-list-match is stuck	
#9975	Deployment script for WMS/WMSproxy : hard coded location paths	
#9977	WMS/WMSproxy deployment scripts generates a faulty /opt/glite/etc/glite_wms_wmproxy.gacl file	
#9988	current deployment script for WMSproxy doesn't foresee external LBserver	
#9989	missing RPM from the WMSproxy deployem module	
#9990	missing groupmapfile from WMSproxy	
#9991	missing touch files for second VO in /etc/grid-security/gridmapdir for WMSproxy	
#10056	The release notes of the WMS component version 1.3 are equal to the ones for release 1.2!	
#10073	glite-wms-config.py does not create the pool accounts other than the ones for the last VO	
#10138	glite-wms-config.py fails to deal with an error from glite-mkgridmap and exits	
#10139	need to set NEGOTIATOR_IGNORE_USER_PRIORITIES = True	
#10390	myProxy proxy renewal failing (gL1.3)	
#10646	mod_ssl dependency missing in WMS rpm	
#10647	Wrong quoting in mysql setup	
#10655	grid-mapfile is not generated in the WMS	
#10689	ce does not appear in RB's list match	